

Tank Field MVA - Potential Rollover



IMPACT - 7049

Location: B&S Tank Field

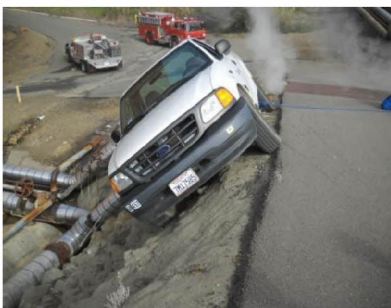
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Back view of truck resting against pipe



Front view showing steep slope

**Tenets of Operations
Violated:**

- 2) Always operate in a safe and controlled condition.
- 8) Always address abnormal conditions.

***There's always time to
do it right – You are too
precious to lose***

Incident Description:

A truck slid off a paved narrow road near Tank 234 while the driver was reversing the vehicle. The backend of the truck came to rest on an insulated pipe, and the driver and passenger were able to release their seatbelts and exit the driver side door.

The road had a steep embankment and the incident had the potential for the truck to rollover, which could have then possibly caused serious injury to the driver and passenger.

Investigation Findings:

- 1) The driver recognized that he was unable to see the drop off onto the inclined portion of the driveway and was apparently unaware of how close the right tires were to the edge of the pavement. Neither Stop/Pause Work Authority or a spotter was used.
- 2) There was inadequate identification of the steep dead-end driveway at Tank 234.
- 3) The driver was lost and was using an incomplete tank field map that did not show all roads.

Lessons Learned:

- 1) It is necessary to take the time to use proper safeguards when there is a known or potential hazard.
- 2) Some of the sign(s) identifying dead end(s) in the tank field were found to be inadequate.
- 3) Use written directions to get to unfamiliar locations.

What Worked Well:

- 1) The driver and passenger were wearing seatbelts, and they recognized the potential danger of exiting on the downhill side of the truck.
- 2) Good emergency response from CFD and RTD to safely remove the truck.

Recommendations:

- 1) Instruct and obtain employees' commitments to work as a team to spot and mitigate known and potential hazards.
- 2) Install a "dead end" sign at the driveway entrance. Determine whether similar conditions exist elsewhere in the Tank Field and take appropriate action.
- 3) Gain driver's commitment to carry updated written directions for unfamiliar locations or carry a better updated map of the tank field. Also, inform other applicable personnel to do the same.
- 4) If the existing maps are not up-to-date, then B&S will update them.

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